



## U.S. DEPARTMENT OF STATE VIRTUAL FELLOWS PROGRAM PROJECT DESCRIPTION – INR



This project seeks a Virtual Fellow to serve with the Office of African Analysis, Division of West and Southern Africa, Bureau of Intelligence and Research as a consultant/researcher/analyst.

**Fellow Location:** The Fellow will serve virtually. Relocation is not required.

**Project Name:** Cabo Verde's Road Map to 100 Percent Renewable Energy.

**Project Description:** Cabo Verde quietly has become a world leader and a model in committing to the use of 100 percent renewable energy by 2025. The country is interested in cooperation with the United States to demonstrate and implement a number of “green” technologies. Cabo Verde's small market has not attracted adequate attention from the private sector, academia, or foreign governments. The Virtual fellow's research and recommendations would better clarify for U.S. policymakers the opportunities to demonstrate U.S. technology, promote U.S. exchanges and exports, and provide reasonably cheap, clean, and renewable energy for the developing world and beyond.

### **Potential Fellow Taskings:**

- In consultation with, inter alia, officials from the Government of Cabo Verde (GoCV), the private sector in country and in the Diaspora, and local research institutions, seek to determine:

What is the potential for exploiting solar, wind, water pumping, waves/ocean, biomass; and geothermal energy sources and technologies in addition to the thermal, wind and solar sources that currently meet Cabo Verde's energy needs?

How many more MW of capacity is the goal for 2025, what energy sources are to be tapped in what proportions, and what is the estimated cost?

- In collaboration with, among others, the University of the U.S. Virgin Islands (Caribbean Green Technology Center), the University of Hawaii (Natural Energy Laboratory of Hawaii Authority - NELHA), and the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (and the various National Renewable Energy Laboratories), advise on the potential for mutual benefit from partnerships with Cape Verdean institutions.
- Determine the potential for U.S. trade and investment as well as technology demonstration.

**Program Requirements:** The precepts of the Virtual Fellows Program call for Fellows to have a high degree of administrative, professional, or technical knowledge/experience and a minimum of five years of professional experience that is directly applicable to the assigned task.

**Project-specific Knowledge, Skills, or Abilities:**

The candidate should have knowledge of renewable energy technologies and their commercial application. Experience in working in the industry, in academia, and/or with the national labs would be preferable. Strong skills in research, investigation, writing, and interpersonal relations are important. Fluent Portuguese would be an asset.

**Other:** The Fellow **must be a U.S. citizen.**

**Suitability Determination/Security Clearance:** None required. The Virtual Fellow will not require access to OpenNet. The duties associated with this project will be performed using only widely available open source materials, information, and technologies.

**Remuneration:** The Virtual Fellow will serve pursuant to a Gratuitous Services Agreement. The Department assumes no responsibility for providing any salary or benefits to the Fellow in connection with participation in the Virtual Fellows Program.